

ABSTRACT

ALTERNATIVE ROUTING IN PNNI HIERARCHICAL NETWORKS

Methods and apparatus are provided for alternative routing of a connection between a source node and a destination node in a PNNI hierarchical network. The alternative routing method comprises responding to a failed connection between said nodes due to a sole-access element of the network structure as seen by the source node, where a said sole-access element is an element which provides sole access to the destination node in said network structure, by: selecting at least one non-sole-access element of the route used by the failed connection in said network structure; identifying an alternative route for the connection in said network structure which does not utilize the at least one selected element; and using the alternative route for establishment of the connection between said nodes.

004080-2942950